

Z1 SPRING BUCKET INBOARD MONOBALL BUSHINGS INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2003-2008	Nissan 350Z
2003-2008	Infiniti G35
2009-2020	Nissan 370Z
2008-2015	Infiniti G37
2023+	Nissan Z

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports Spring Bucket Inboard Monoball Bushings, consult with a Professional Mechanic, or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	2	Spring Bucket Monoball

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Wrenches
- Assorted Metric Sockets
- Torque Wrench
- Press (Highly Recommended)

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

BEFORE YOU BEGIN:

Remove contents from the Z1 Motorsports Spring Bucket Inboard Monoball Bushings and verify that ALL necessary hardware is present.

The images in this Installation Guide are from a Nissan Z. The process is the same for all vehicles, although it may look slightly different.

PROCEDURE:

1. Place the Z1 Monoball Bushings into the Freezer for at least an hour before installation. This will help ease of the Installation.
2. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
3. Loosen but do not remove the lug nuts on the rear wheels of the vehicle.
4. Locate the proper jacking points on the vehicle's chassis (refer to the Vehicle's Owner's Manual). Raise and support the vehicle using a jack and jack stands.
5. Remove the rear wheels and lug nuts from the vehicle.
6. Starting on either side of the vehicle, place a jack under the Spring Bucket. *Figure 1.*



Figure 1

7. Remove the Inboard Bolt for the Spring Bucket to the Rear Subframe. *Figure 2.*



Figure 2

8. Slowly lower the Spring Bucket to prevent the Spring from flying out. Once lowered, remove the spring and set aside. *Figure 3.*



Figure 3

9. Remove the Outboard Bolt securing the Spring Bucket and fully remove the Spring Bucket from the vehicle *Figure 4*.



Figure 4

10. Place the Inboard End of the Spring Bucket into the Press.
11. Place a suitable pressing tool that fits the diameter of the OE Bushing over the Bushing. *Figure 5*.



Figure 5

12. Ensure the bushing has room to be pressed out on the bottom side and press the Bushing out of the Spring Bucket. *Figure 6.*



Figure 6

13. Clean the inside Bushing mating surface of the Spring Bucket of any debris. *Figure 7.*

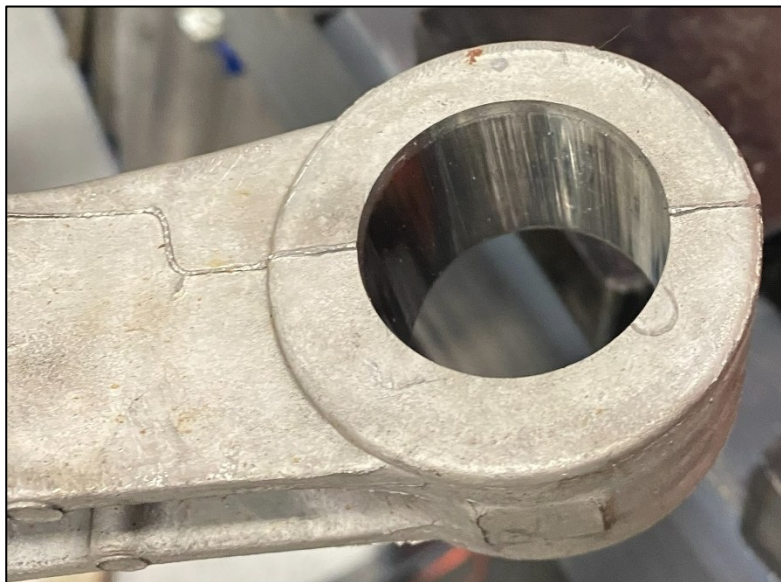


Figure 7

14. Locate (1) one Z1 Monoball Bushing. Position it into the Spring Bucket ensuring that it is lined up straight.
Figure 8.



Figure 8

15. Place a tool over the Monoball Bushing and press the Bushing into the Spring Bucket until the Bushing is flush with the Arm surface. *Figure 9.*



Figure 9

16. Repeat Steps 6-15 for the other Spring Bucket Bushing.

17. Reinstall the Spring Bucket into the vehicle. Torque specs for vehicles are listed below.

Inboard Spring Bucket Bolt:

- 350Z/G35: **53 ft-lbs**
- 370Z/Z/G37: **54 ft-lbs**

Outboard Spring Bucket Bolt:

- 350Z/G35: **53 ft-lbs**
- 370Z/Z/G37: **54 ft-lbs**

18. Reinstall the Rear Wheels and lug nuts.

19. Safely lower the vehicle from jack stands.

END

Additional Technical Support:

Contact Z1 Motorsports at info@z1motorsports.com
Or call 770-838-7777 between 9am and 6pm ET